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NOTICE OF ALLOWANCE AND FEE(S) DUE

25281

7590

01/04/2011

DICKE, BILLIG & CZAJA FIFTH STREET TOWERS 100 SOUTH FIFTH STREET, SUITE 2250 MINNEAPOLIS, MN 55402 EXAMINER

STEWART, ALVIN J

ART UNIT PAPER NUMBER

3774

DATE MAILED: 01/04/2011

	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/792,186 03/03/2004			Mark Shu	M190.148.101 /	
	DITTE OF BUILDINGS	INTIDE LOCKING ASSET	DIVIND MERIOD OF LIGH	P-11480.00	

TITLE OF INVENTION: SUTURE LOCKING ASSEMBLY AND METHOD OF USE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	04/04/2011

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

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Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where m

appropriate. All further indicated unless correct maintenance fee notifica	correspondence including deleted or directed of tions.	ng the Patent, advance onerwise in Block 1, by (rders and notification of a) specifying a new corre	maintenance fees espondence address	will be ; and/o	mailed to the current or (b) indicating a separ	correspondence address as ate "FEE ADDRESS" for	
CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)				Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.				
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DICKE, BILLIG & CZAJA FIFTH STREET TOWERS 100 SOUTH FIFTH STREET, SUITE 2250				Certificate of Mailing or Transmission I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.				
MINNEAPOLIS	S, MN 55402		Г	(Depo:				
							(Signature)	
							(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTO	R	ATTC	RNEY DOCKET NO.	CONFIRMATION NO.	
10/792,186	03/03/2004		Mark Shu	M190.14		M190.148.101 /	4896	
TITLE OF INVENTION	: SUTURE LOCKING	ASSEMBLY AND METI	HOD OF USE			P-11480.00		
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSU	E FEE	TOTAL FEE(S) DUE	DATE DUE	
nonprovisional	NO	\$1510	\$300	\$0		\$1810	04/04/2011	
EXAM	IINER	ART UNIT	CLASS-SUBCLASS					
STEWART	Γ, ALVIN J	3774	623-002400					
1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a single firm (having as a member a 2					
			2 registered patent att	the name of a single firm (having as a member a gistered attorney or agent) and the names of up to egistered patent attorneys or agents. If no name is ed, no name will be printed.				
PLEASE NOTE: Unl	less an assignee is ident h in 37 CFR 3.11. Com	ified below, no assignee	THE PATENT (print or ty data will appear on the T a substitute for filing an (B) RESIDENCE: (CIT	patent. If an assign assignment.			cument has been filed for	
Please check the appropr	riate assignee category or	categories (will not be pa	rinted on the patent): \Box	Individual 🗖 C	orporat	on or other private gro	up entity 🗖 Government	
4a. The following fee(s)	are submitted:	4	b. Payment of Fee(s): (Ple		ny prev	viously paid issue fee s	hown above)	
Issue Fee	T II II II	² 14 J.\	☐ A check is enclosed. ☐ Payment by credit card. Form PTO-2038 is attached.					
☐ Publication Fee (No small entity discount permitted)☐ Advance Order - # of Copies			The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any					
			overpayment, to Dep	osit Account Numb	er	(enclose an	extra copy of this form).	
5. Change in Entity Sta	tus (from status indicate is SMALL ENTITY state	*	☐ b. Applicant is no lo	nger claiming SMA	II EN'	FITV status See 37 CF	P 1 27(a)(2)	
NOTE: The Issue Fee an	d Publication Fee (if req	uired) will not be accepte	d from anyone other than				assignee or other party in	
interest as shown by the	records of the United Sta	ites Patent and Trademark	c Office.					
Authorized Signature				Date				
Typed or printed name				-				
This collection of inform an application. Confiden submitting the completed this form and/or suggesti Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this bu Firginia 22313-1450. DO	CFR 1.311. The informatic U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the ONOT SEND FEES OR	on is required to obtain or 1.14. This collection is e 7 depending upon the indi the Chief Information Offic COMPLETED FORMS	retain a benefit by stimated to take 12 ividual case. Any c cer, U.S. Patent and TO THIS ADDRES	the pub minutes ommen Trader S. SEN	lic which is to file (and s to complete, including is on the amount of tim nark Office, U.S. Depa D TO: Commissioner fo	by the USPTO to process) g gathering, preparing, and le you require to complete tment of Commerce, P.O. or Patents, P.O. Box 1450,	

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10/792,186	03/03/2004	Mark Shu	M190.148.101 / P-11480.00	4896	
25281 7	590 01/04/2011		EXAMINER		
DICKE, BILLIC	& CZAJA	STEWART	, ALVIN J		
FIFTH STREET T		ART UNIT	PAPER NUMBER		
	H STREET, SUITE 22 MN 55402	50	3774		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 566 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 566 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)			
	10/792,186	SHU ET AL.			
Notice of Allowability	Examiner	Art Unit			
	Alvin J. Stewart	3774			
	Alvill J. Stewart	3774			
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIOF of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED or other appropriate comm GHTS. This application is	in this application. If not included nunication will be mailed in due co	ourse. THIS		
1. \blacksquare This communication is responsive to <u>RCE filed on 10/12/10</u>	<u>2</u> .				
2. X The allowed claim(s) is/are 1-31 and 54-58 (renumbered	<i>as 1-36)</i> .				
 3. ☐ Acknowledgment is made of a claim for foreign priority ur a) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 		or (f).			
2. ☐ Certified copies of the priority documents have		on No			
3. ☐ Copies of the certified copies of the priority does	• •		n from the		
International Bureau (PCT Rule 17.2(a)).		od III ililo Hatioriai otago applicatio	11 11 0111 1110		
* Certified copies not received:					
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	IENT of this application.				
 A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 			TICE OF		
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.				
(a) \square including changes required by the Notice of Draftspers	on's Patent Drawing Revie	w (PTO-948) attached			
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date					
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date					
Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in t			ack) of		
6. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT			te the		
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5. Notice of I	nformal Patent Application			
 Notice of Preferences Gled (P10-692) Dotice of Draftperson's Patent Drawing Review (PTO-948) 	<u> </u>	Summary (PTO-413),			
· · · · · · · · · · · · · · · · · · ·	Paper No	./Mail Date			
 Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 10/12/10; 11/15/10 	7. 🛚 Examiner's	s Amendment/Comment			
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. 🛛 Examiner's	s Statement of Reasons for Allow	ance		
	9. 🔲 Other	<u>-</u> ·			

Allowable Subject Matter

Claims 1-31 and 54-58 are allowed.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

Claims 51-53 are cancelled.

Information Disclosure Statement

The information disclosure statement (IDS) submitted on 11/15/10 is in compliance with the provisions of 37 CFR 1.97. Accordingly, the information disclosure statement is being considered by the examiner.

Reasons for Allowance

The following is an examiner's statement of reasons for allowance: After careful consideration of the Applicant's remarks the Examiner has found the independent claims are allowable. There is no evidence in the prior art of having a suture locking assembly for use in a heart valve repair comprising a rim defining a first flange, a second flange spaced from the first flange, a suture band maintained between the first flange and the second flange, wherein relative to a circumferential interface between the rim and the suture band, a radial spacing between the rim and the suture band decreases from a first radial spacing to a second radial spacing, wherein the second radial spacing being circumferential adjacent the first radial spacing.

Application/Control Number: 10/792,186

Art Unit: 3774

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Alvin J. Stewart whose telephone number is 571-272-4760. The

examiner can normally be reached on Monday-Friday 7:00AM-5:30PM(1 Friday B-week off).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Dave Isabella can be reached on 571-272-4749. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

like assistance from a USPTO Customer Service Representative or access to the automated

information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Alvin J Stewart/

Primary Examiner, Art Unit 3774

Page 3

December 8, 2010.